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 SAN CONTACT LENS:KK

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(54) CONTACT LENS

(57)Abstract:

PURPOSE: To obtain superior affinity for tears and the cornea and satisfactory oxygen permeability without carrying out secondary surface treatment after working into a lens by using a quaternary copolymer obt'd. by copolymerizing specified compds. with a polymerizable polyvinyl compd.

CONSTITUTION: A contact lens is made of a quaternary copolymer obt'd. by copolymerizing dextran ester represented by formula I with a polymerizable monovinyl compd. represented by formula II, a polymerizable carboxylic acid compd. represented by formula III and a polymerizable polyvinyl compd. having at least two vinyl groups in one molecule in the presence or absence of a polymn. initiator. In formula I, R1 is 2W6C org. group, R2 is 2W4C alkyl, $0 < \leq 0.4$, $0 \leq m \leq 0.9$, $0.1 \leq n \leq 2.9$, $1+m+n \leq 3$, $n(m+n) \geq 0.7$ and $x \geq 5$. The contact lens has satisfactory oxygen permeability, superior affinity for the cornea and tears, high shape stability during working and wear and chemical resistance.

